

ABSTRACT

A signal transmission system according to the present invention comprises: a signal transmission unit (101) that includes a MPEG decoder (101) which receives digital broadcasting and outputs a luminance signal Y and two color difference signals P_B/P_R , and a transmission path encoding circuit (103) which encodes the YP_BP_R outputted from the MPEGU decoder (102) into signals in the forms suited to a transmission path and transmits the encoded signals; and a signal reception unit (104) that includes a transmission path decoding circuit (105) which receives the encoded YP_BP_R and decodes them, a Y processing circuit (106) which processes the decoded luminance signal Y, a chrominance processing circuit (107) which processes the respective decoded color difference signals P_B/P_R , a signal conversion circuit (108) which converts the YP_BP_R outputted from the Y processing circuit (106) and the chrominance processing circuit (107) into RGB signals, and a display device (108) which displays the RGB signals.

According to the so-configured signal transmission system, it is possible to realize a signal transmission system in which hardware configurations of the video signal transmitting end and receiving end can be simplified.